

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P642828

Luminaire Tested: GWS-SA6D-760-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-760-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19280.7 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

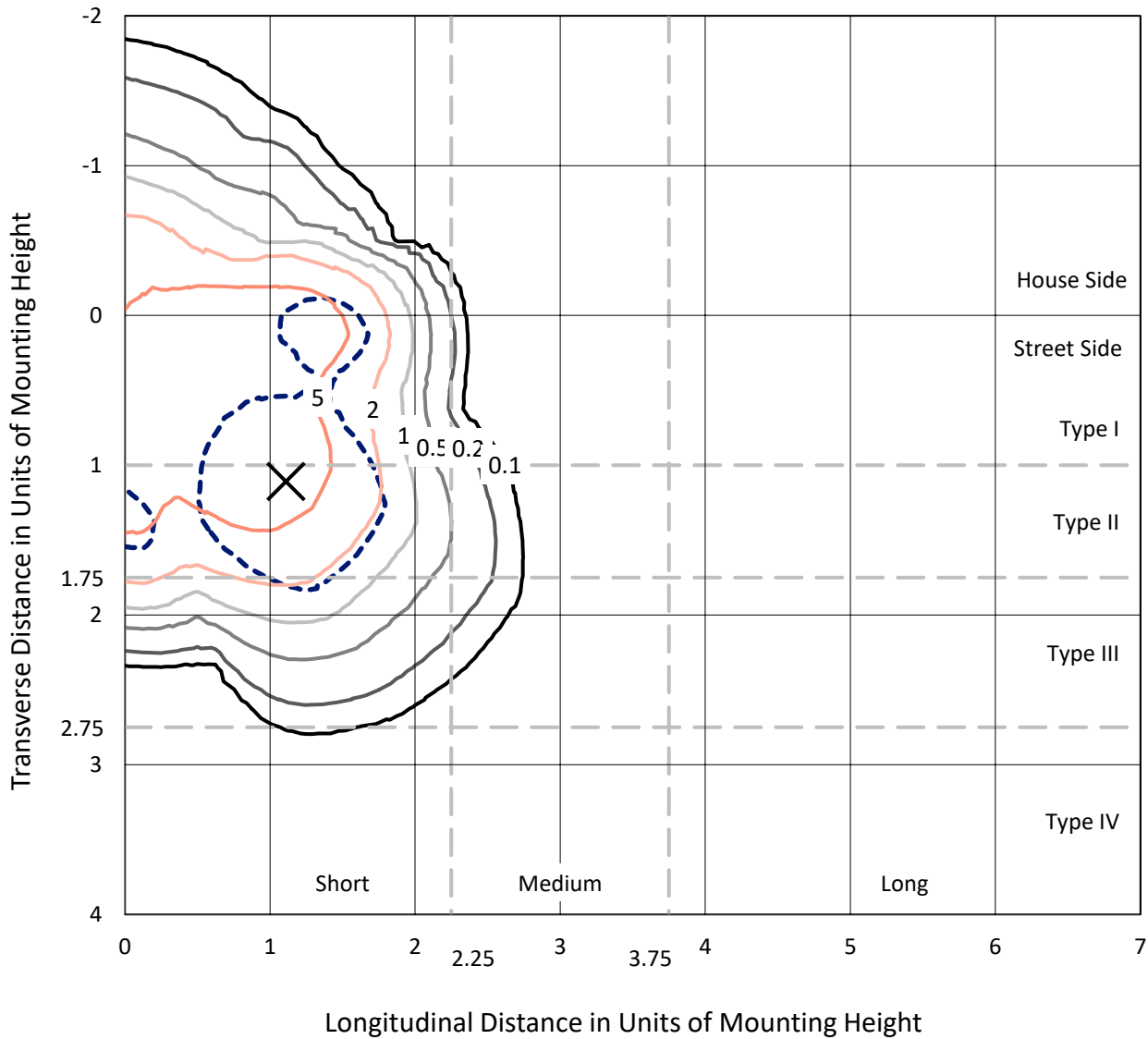
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

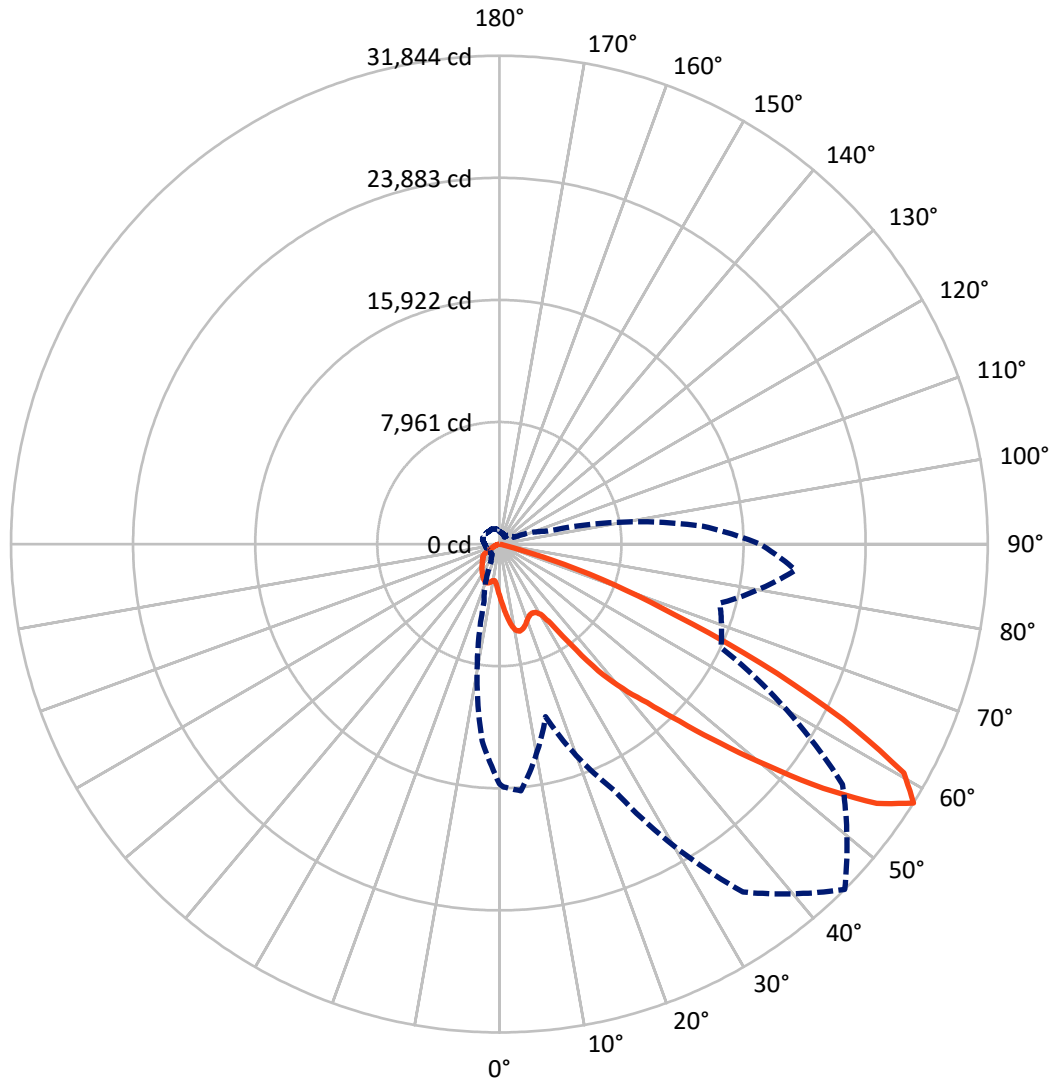
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4317.5	0.0	4317.5
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	14963.2	0.0	14963.2
	% Fixture	77.6	0.0	77.6
Total	Lumens	19280.7	0.0	19280.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.4	1.7
10°-20°	1078.5	5.6
20°-30°	1751.9	9.1
30°-40°	2706.9	14.0
40°-50°	4340.6	22.5
50°-60°	5932.4	30.8
60°-70°	2873.2	14.9
70°-80°	263.1	1.4
80°-90°	0.8	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	19280.7	100.0
0°-180°	19280.7	100.0

Coefficient of Utilization



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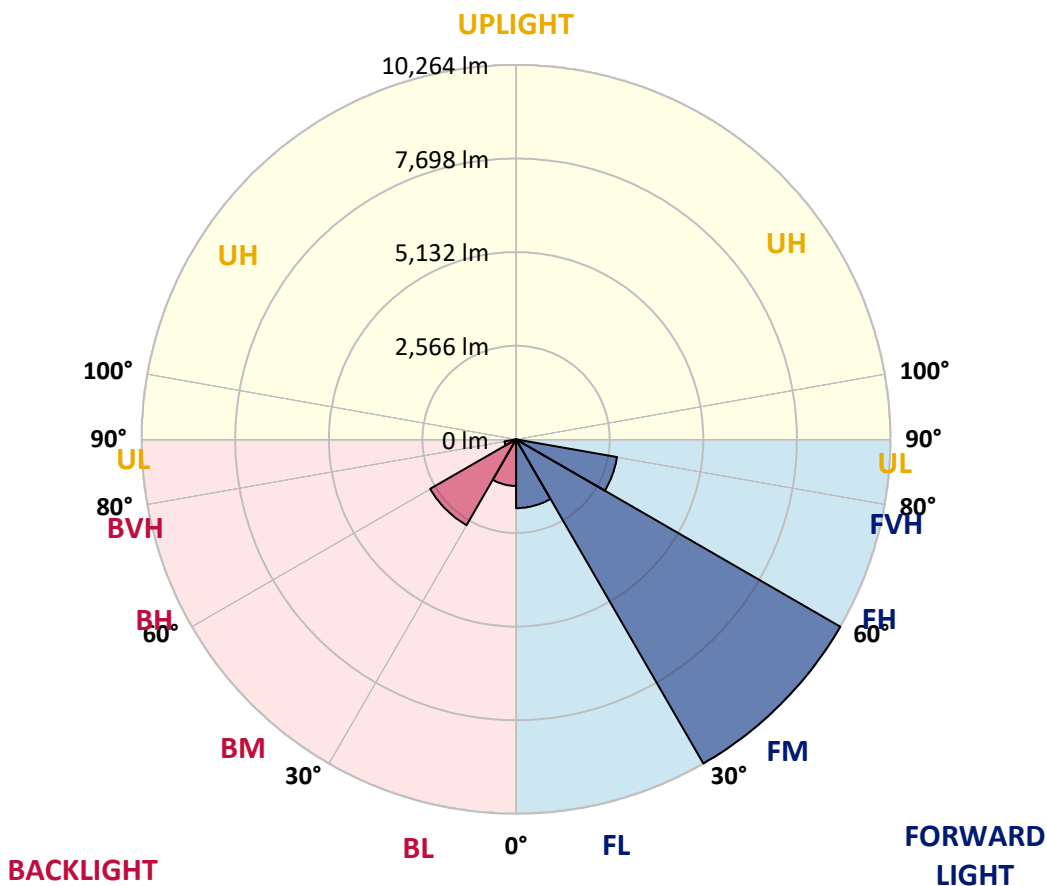
CATALOG NUMBER: GWS-SA6D-760-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1886.2	9.8			
FM (30°-60°)	10263.5	53.2			
FH (60°-80°)	2812.7	14.6			G2/5000
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	1277.5	6.6	B3/2500		
BM (30°-60°)	2716.4	14.1	B3/5000		
BH (60°-80°)	323.6	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8
2.5°	3671.2	3694.5	3733.4	3816.3	3886.2	3932.9	3953.6	3948.4	3919.9	3899.2	3857.7
5°	4065.0	4065.0	4140.1	4329.3	4474.3	4565.0	4611.7	4583.2	4526.2	4435.5	4295.6
7.5°	4409.6	4422.5	4549.5	4818.9	5039.1	5168.7	5243.8	5228.3	5127.2	4953.6	4673.8
10°	4679.0	4694.6	4863.0	5192.0	5451.1	5583.2	5694.6	5705.0	5593.6	5363.0	5041.7
12.5°	4940.7	4956.2	5132.4	5448.5	5676.5	5730.9	5829.3	5868.2	5839.7	5676.5	5342.3
15°	5223.1	5259.4	5409.6	5645.4	5741.3	5676.5	5741.3	5811.2	5907.1	5891.5	5591.0
17.5°	5500.3	5526.2	5679.1	5762.0	5655.8	5487.4	5518.4	5601.3	5819.0	6031.4	5837.1
20°	5756.8	5793.1	5920.0	5811.2	5489.9	5228.3	5230.9	5339.7	5671.3	6116.9	6088.4
22.5°	6026.2	6080.6	6171.3	5865.6	5337.1	5023.6	5036.6	5135.0	5554.7	6197.2	6373.4
25°	6378.6	6430.4	6490.0	6000.3	5287.9	4922.6	4971.8	5062.5	5554.7	6334.6	6725.8
27.5°	6855.3	6891.6	6894.2	6251.6	5373.4	4938.1	5041.7	5145.4	5720.5	6609.2	7197.3
30°	7453.8	7510.8	7435.6	6642.9	5640.2	5145.4	5298.2	5427.8	6078.1	7072.9	7891.6
32.5°	8181.8	8262.1	8161.1	7223.2	6197.2	5860.4	6137.6	6212.8	6648.0	7744.0	8679.2
35°	9036.8	9104.1	8995.3	8026.4	7497.8	7560.0	8062.6	7966.8	7793.2	8570.4	9599.0
37.5°	9974.6	10036.8	9827.0	9244.0	9420.2	9689.7	10492.8	10163.8	9604.2	9635.3	10596.4
40°	10834.8	10902.2	10573.1	10567.9	10930.7	11422.9	12391.9	11938.5	11176.8	11029.1	11531.7
42.5°	11726.0	11772.7	11474.7	11272.6	12096.5	13109.5	14135.5	13524.1	12218.3	12057.7	12702.8
45°	12998.1	13096.6	12565.5	11619.8	13145.8	15050.1	16480.2	15285.8	12928.2	12798.6	14495.6
47.5°	14868.7	14941.2	13858.3	11837.4	14122.5	17467.3	19410.4	17570.9	13552.6	13257.2	16946.5
50°	16415.4	16464.6	15047.5	12075.8	15161.5	20073.7	22750.0	20280.9	14254.7	14016.3	19234.2
52.5°	17555.4	17741.9	16609.7	12565.5	16526.8	23138.6	26447.1	23490.9	15350.6	15482.7	21130.7
55°	17791.1	18045.0	17677.2	12866.0	17729.0	26260.5	29861.8	26364.2	16443.9	16594.2	21768.1
57.5°	15635.6	15837.7	16143.4	11653.5	17700.5	27690.7	31843.7	27317.6	15946.5	14881.7	19381.9
60°	11713.1	11853.0	12407.4	8907.2	16278.1	26426.3	30299.6	25695.7	13943.8	11355.6	14767.7
62.5°	6946.0	7008.2	7710.3	5769.8	13511.1	22757.7	25128.3	22172.2	11018.7	7637.7	9044.5
65°	2666.0	2640.0	3176.3	2847.3	9935.8	18128.0	18690.2	16902.5	7560.0	3500.2	3448.4
67.5°	411.9	393.8	531.1	842.0	7166.2	12562.9	12332.3	12182.0	4736.0	816.1	712.5
70°	93.3	93.3	114.0	248.7	4378.5	7381.2	7899.4	7531.5	3031.3	173.6	93.3
72.5°	44.0	44.0	54.4	106.2	1585.6	3041.6	3544.2	3489.8	984.5	57.0	33.7
75°	15.5	18.1	18.1	23.3	95.9	158.0	362.7	259.1	62.2	0.0	0.0
77.5°	5.2	5.2	5.2	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8
2.5°	3767.0	3748.9	3681.6	3590.9	3502.8	3425.1	3344.7	3248.9	3178.9	3098.6	3072.7
5°	4186.8	4072.8	3888.8	3697.1	3520.9	3370.7	3225.6	3070.1	2956.1	2842.1	2803.3
7.5°	4541.7	4373.3	4075.4	3787.8	3546.8	3334.4	3124.5	2912.1	2746.3	2611.5	2570.1
10°	4860.4	4666.1	4267.1	3912.1	3609.0	3362.9	3109.0	2842.1	2627.1	2466.5	2427.6
12.5°	5135.0	4909.6	4430.3	4005.4	3634.9	3352.5	3106.4	2893.9	2699.6	2515.7	2466.5
15°	5365.6	5116.9	4567.6	4067.6	3596.1	3223.0	3007.9	2974.3	2958.7	2756.6	2660.8
17.5°	5591.0	5311.2	4679.0	4096.1	3487.2	2995.0	2839.5	2992.4	3155.6	3023.5	2901.7
20°	5826.7	5508.1	4793.0	4101.3	3305.9	2738.5	2712.6	2953.5	3160.8	3119.3	3005.3
22.5°	6104.0	5754.2	4935.5	4098.7	3077.9	2520.9	2619.3	2878.4	3046.8	3044.2	2953.5
25°	6505.5	6065.1	5127.2	4114.2	2829.2	2352.5	2515.7	2751.4	2888.8	2883.6	2808.4
27.5°	6935.6	6435.6	5375.9	4153.1	2616.7	2254.0	2393.9	2577.9	2697.0	2691.9	2627.1
30°	7539.3	6863.1	5614.3	4155.7	2463.9	2202.2	2259.2	2386.1	2500.1	2487.2	2438.0
32.5°	8272.5	7345.0	5813.8	4008.0	2368.0	2153.0	2119.3	2184.1	2272.1	2254.0	2241.1
35°	9158.5	7917.5	5984.8	3684.1	2220.3	2054.5	1963.8	1976.8	2039.0	2049.3	2044.2
37.5°	10169.0	8598.9	6197.2	3256.7	2020.8	1912.0	1790.3	1779.9	1816.2	1849.8	1875.8
40°	11166.4	9365.8	6484.8	2824.0	1839.5	1730.7	1614.1	1588.2	1603.7	1663.3	1717.7
42.5°	12288.2	10254.5	6795.7	2453.5	1715.1	1531.2	1419.8	1370.5	1414.6	1510.4	1575.2
45°	13904.9	11500.6	7098.8	2158.2	1663.3	1355.0	1204.7	1199.5	1248.8	1373.1	1445.7
47.5°	16174.5	13112.1	7298.3	1927.6	1660.7	1217.7	1038.9	1070.0	1127.0	1248.8	1331.7
50°	18387.0	15130.4	7078.1	1751.4	1606.3	1127.0	914.6	976.7	1033.7	1140.0	1225.5
52.5°	19721.3	16215.9	6220.6	1585.6	1437.9	1085.6	792.8	901.6	912.0	1007.8	1098.5
55°	19581.4	15513.8	4764.5	1329.1	1189.2	1026.0	665.8	813.5	818.7	891.2	969.0
57.5°	16995.8	13319.4	3272.2	1077.8	893.8	847.2	549.3	686.6	735.8	779.8	836.8
60°	12666.5	9718.2	1458.6	875.7	567.4	572.6	468.9	518.2	593.3	645.1	694.3
62.5°	7464.1	5591.0	593.3	525.9	313.5	360.1	378.3	378.3	424.9	463.8	494.8
65°	2821.4	1956.1	240.9	264.3	163.2	168.4	222.8	274.6	310.9	344.6	386.0
67.5°	494.8	342.0	124.4	98.5	95.9	85.5	114.0	178.8	199.5	225.4	243.5
70°	82.9	70.0	51.8	49.2	44.0	46.6	75.1	127.0	139.9	147.7	155.4
72.5°	23.3	20.7	15.5	13.0	10.4	13.0	46.6	98.5	103.6	108.8	116.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	18.1	70.0	75.1	77.7	85.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.5	20.7	25.9	20.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8
2.5°	3057.2	3005.3	2976.8	2961.3	2961.3	2940.6	2917.3	2909.5	2943.2	2943.2	3000.2
5°	2754.0	2712.6	2666.0	2637.5	2593.4	2601.2	2575.3	2572.7	2606.4	2621.9	2681.5
7.5°	2544.2	2492.4	2463.9	2445.7	2422.4	2412.1	2388.7	2381.0	2399.1	2425.0	2482.0
10°	2404.3	2396.5	2393.9	2406.9	2406.9	2393.9	2373.2	2360.2	2365.4	2414.6	2479.4
12.5°	2440.6	2456.1	2461.3	2482.0	2492.4	2482.0	2466.5	2471.6	2505.3	2596.0	2691.9
15°	2598.6	2585.6	2580.5	2590.8	2598.6	2588.2	2583.0	2621.9	2738.5	2868.0	2976.8
17.5°	2767.0	2684.1	2647.8	2647.8	2653.0	2647.8	2653.0	2728.1	2917.3	3046.8	3127.1
20°	2852.5	2699.6	2642.6	2629.7	2640.0	2642.6	2660.8	2746.3	2953.5	3044.2	3062.3
22.5°	2826.6	2634.9	2570.1	2559.7	2570.1	2580.5	2598.6	2671.1	2865.4	2912.1	2904.3
25°	2697.0	2507.9	2456.1	2456.1	2479.4	2476.8	2484.6	2536.4	2697.0	2725.5	2712.6
27.5°	2533.8	2355.1	2311.0	2336.9	2357.6	2352.5	2355.1	2399.1	2518.3	2526.0	2513.1
30°	2368.0	2212.6	2171.1	2202.2	2230.7	2225.5	2228.1	2272.1	2347.3	2339.5	2321.4
32.5°	2199.6	2085.6	2054.5	2072.7	2116.7	2111.5	2121.9	2168.5	2197.0	2163.3	2142.6
35°	2044.2	1984.6	1961.2	1971.6	2005.3	2013.1	2031.2	2062.3	2062.3	2020.8	1984.6
37.5°	1899.1	1891.3	1875.8	1862.8	1893.9	1917.2	1943.1	1979.4	1927.6	1868.0	1834.3
40°	1764.3	1798.0	1777.3	1743.6	1761.8	1795.4	1847.3	1875.8	1813.6	1754.0	1697.0
42.5°	1640.0	1697.0	1689.2	1647.8	1663.3	1694.4	1754.0	1777.3	1704.8	1637.4	1583.0
45°	1520.8	1601.1	1606.3	1554.5	1570.0	1601.1	1671.1	1678.9	1585.6	1513.0	1474.2
47.5°	1417.2	1505.3	1507.9	1469.0	1474.2	1518.2	1583.0	1585.6	1479.4	1412.0	1362.8
50°	1318.7	1419.8	1427.5	1393.9	1399.0	1450.9	1505.3	1494.9	1380.9	1311.0	1266.9
52.5°	1199.5	1336.9	1355.0	1339.5	1360.2	1401.6	1435.3	1399.0	1266.9	1197.0	1158.1
55°	1070.0	1248.8	1287.6	1277.3	1300.6	1334.3	1342.0	1318.7	1152.9	1083.0	1046.7
57.5°	919.7	1028.6	1095.9	1075.2	1093.3	1127.0	1150.3	1132.2	1007.8	953.4	922.3
60°	761.7	834.2	849.8	816.1	800.6	860.2	914.6	891.2	785.0	751.3	715.1
62.5°	557.0	639.9	650.3	606.3	588.1	652.9	699.5	676.2	559.6	523.3	494.8
65°	445.6	523.3	544.1	502.6	492.3	541.5	570.0	513.0	430.1	391.2	360.1
67.5°	292.8	354.9	409.3	406.8	386.0	401.6	380.9	334.2	274.6	253.9	233.2
70°	181.4	217.6	251.3	264.3	261.7	256.5	228.0	194.3	176.2	168.4	158.0
72.5°	139.9	176.2	202.1	209.9	212.4	204.7	181.4	150.3	132.1	121.8	114.0
75°	103.6	132.1	152.9	163.2	168.4	163.2	139.9	119.2	101.0	93.3	85.5
77.5°	36.3	44.0	54.4	59.6	57.0	54.4	49.2	49.2	38.9	36.3	31.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P642828

CATALOG NUMBER: GWS-SA6D-760-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8	3388.8
2.5°	3064.9	3111.6	3197.1	3274.8	3357.7	3443.2	3536.5	3632.3	3676.4	3671.2
5°	2772.2	2873.2	3013.1	3166.0	3337.0	3520.9	3725.6	3935.5	4026.1	4065.0
7.5°	2588.2	2730.7	2914.7	3109.0	3334.4	3596.1	3904.4	4233.4	4365.5	4409.6
10°	2611.5	2777.4	2930.2	3119.3	3360.3	3699.7	4083.1	4474.3	4629.8	4679.0
12.5°	2800.7	2836.9	2878.4	3033.8	3337.0	3777.4	4246.4	4712.7	4891.5	4940.7
15°	2971.7	2803.3	2725.5	2868.0	3254.1	3831.8	4412.2	4969.2	5166.1	5223.1
17.5°	2979.4	2725.5	2552.0	2663.4	3119.3	3855.1	4575.4	5230.9	5445.9	5500.3
20°	2883.6	2640.0	2417.2	2419.8	2935.4	3850.0	4710.1	5466.6	5707.6	5756.8
22.5°	2743.7	2539.0	2308.4	2228.1	2738.5	3839.6	4857.8	5717.9	5979.6	6026.2
25°	2588.2	2409.5	2204.8	2083.0	2541.6	3850.0	5065.0	6047.0	6334.6	6378.6
27.5°	2419.8	2267.0	2124.5	2026.0	2375.8	3888.8	5313.8	6466.7	6808.7	6855.3
30°	2243.6	2129.7	2072.7	2013.1	2272.1	3899.2	5583.2	6956.3	7389.0	7453.8
32.5°	2070.1	2007.9	2010.5	2020.8	2173.7	3826.6	5829.3	7500.4	8078.2	8181.8
35°	1909.4	1891.3	1943.1	1994.9	2031.2	3640.1	6044.4	8142.9	8930.5	9036.8
37.5°	1772.1	1787.7	1852.4	1904.3	1875.8	3375.8	6329.4	8946.1	9884.0	9974.6
40°	1640.0	1678.9	1754.0	1777.3	1756.6	3067.5	6671.4	9720.7	10710.4	10834.8
42.5°	1518.2	1546.7	1652.9	1658.1	1722.9	2754.0	7000.4	10555.0	11661.3	11726.0
45°	1419.8	1414.6	1523.4	1557.1	1766.9	2406.9	7321.7	11666.5	12904.9	12998.1
47.5°	1323.9	1318.7	1344.6	1497.5	1785.1	2085.6	7640.3	13293.5	14708.1	14868.7
50°	1233.2	1241.0	1160.7	1469.0	1686.6	1839.5	7785.4	14798.8	16348.1	16415.4
52.5°	1152.9	1124.4	984.5	1375.7	1476.8	1606.3	7373.5	15482.7	17363.7	17555.4
55°	1038.9	880.9	810.9	1116.6	1165.9	1401.6	6039.2	15086.3	17451.8	17791.1
57.5°	888.7	691.7	689.2	823.9	823.9	1300.6	3868.1	12889.3	15039.7	15635.6
60°	684.0	536.3	570.0	572.6	528.5	948.2	2171.1	9337.3	11119.8	11713.1
62.5°	487.1	409.3	430.1	342.0	303.1	474.1	1041.5	5375.9	6863.1	6946.0
65°	326.4	277.2	225.4	189.1	186.5	202.1	430.1	1943.1	2362.8	2666.0
67.5°	215.0	168.4	119.2	119.2	134.7	134.7	163.2	321.3	450.8	411.9
70°	139.9	116.6	75.1	72.5	88.1	88.1	82.9	88.1	93.3	93.3
72.5°	103.6	88.1	44.0	38.9	49.2	51.8	46.6	44.0	44.0	44.0
75°	77.7	62.2	25.9	18.1	23.3	31.1	25.9	18.1	18.1	15.5
77.5°	31.1	23.3	10.4	7.8	13.0	18.1	15.5	7.8	5.2	5.2
80°	2.6	5.2	5.2	5.2	7.8	10.4	13.0	5.2	2.6	2.6
82.5°	0.0	2.6	2.6	2.6	5.2	7.8	10.4	5.2	2.6	2.6
85°	0.0	0.0	0.0	0.0	5.2	7.8	5.2	2.6	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	2.6	7.8	5.2	2.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)